

## MEMORANDUM

TO: District Engineers

FROM: Lou Harmon, Southeast District Engineer

THROUGH: Larry Robinson, Water and Wastewater Engineering Program Manager

DATE: August 5, 2003

SUBJECT: Policy 14.14.16 and 13.59.1 RV Park and Mobile Home Water Service Connections

1. The "freeze proof" yard hydrant is a high hazard cross connection because of the weep hole at the base. It is a high hazard because a significant potential exists for either bacteriological or chemical contamination to enter through the weep hole and contaminate the water supply. For RV Parks and mobile home courts, the "freeze proof" yard hydrant has effectively been banned by Chapter 11 since 1984. The specific references are Chapter 11, Part F, Section 59(c)(iii) and (d)(ii). The prohibition on below ground stop and waste valves with weep holes below ground includes the "freeze proof" yard hydrants.
2. Each space in the park or court should be treated as a residence. This means that each space is a service connection that is required to comply with Chapter 12, Section 14(i)(i)(B)(I) which requires at least a dual check.
3. The following American Society of Sanitary Engineers (ASSE) standards are acceptable for backflow prevention at mobile home and RV service connections: ASSE #s 1013, reduced pressure principle device; 1015, double check; 1024, dual check valve; 1052, testable hose connection backflow preventer; and 1057, sanitary yard hydrant with backflow protection. Hose connection vacuum breakers, ASSE # 1011, are not acceptable.
4. Freeze protection is a problem for both mobile home courts and RV parks. While the space is occupied, typically, electrically powered heat tape is used to prevent the service line from freezing. RV parks have temporarily unoccupied spaces that must be protected from freezing. There are only three solutions available for the temporarily unoccupied spaces that do not violate cross connection control practices. The park can either heat the risers to prevent freezing, use a "sanitary" "freezeproof" yard hydrant, or purge the risers when the risers are not in use. Freeze protection is the responsibility of the park operator.
5. If a mobile home court or a RV park is a consecutive system, the entire court or park should be isolated from the parent system by either a double check, ASSE #1015; or a reduced pressure principle device, ASSE #1013; as appropriate. The reviewing Water Quality Division engineer shall insure that the requirement for containment of the RV or Mobile Home Park system is met with the appropriate backflow device. This rule applies to all new or existing systems being modified.
6. Refer to Policy 14.14.11 for a clarification of when a construction permit is required for a service connection.